

**CATHETER SYSTEM WITH ON-BOARD TEMPERATURE PROBE**

**ABSTRACT OF THE DISCLOSURE**

A catheter system for controlling the body temperature of a patient by modifying the temperature of blood flowing within a blood vessel of the patient. The catheter system comprises a catheter body having a heat exchange region in contact with the blood; and a temperature probe having a distal end that extends from the catheter body, thereby  
5 monitoring the temperature of blood flowing within the blood vessel.

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